

## **MISSOULA FIRE WEATHER OFFICE**

### **Location**

The National Weather Service Office in Missoula is located at the Aerial Fire Depot, 5765 Highway 10 West, 1/4 mile west of the Missoula International Airport. The mailing address is:

National Weather Service  
P.O. Box 9350  
Missoula, MT 59807

### **Phone Numbers**

! Fire Weather desk: (406) 329-4716  
! Office:(406) 329-4715/4840  
! FAX:(406) 329-4842

### **Contacts**

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Lead Meteorologist  
Marty.Whitmore@noaa.gov

### **Internet Address**

! <http://www.wrh.noaa.gov/Missoula>

### **Operational Hours**

! Twenty-four hour service is provided for routine and special fire weather products.

## **Routine Product Issuance Times**

### **General Forecast**

March - June	Morning	M-F	0900	(Weekends if needed)
July - September	Morning	Daily	0900	
	Afternoon	Daily	1500	
October - November	Mornings	M-F	0900	(Weekends if needed)

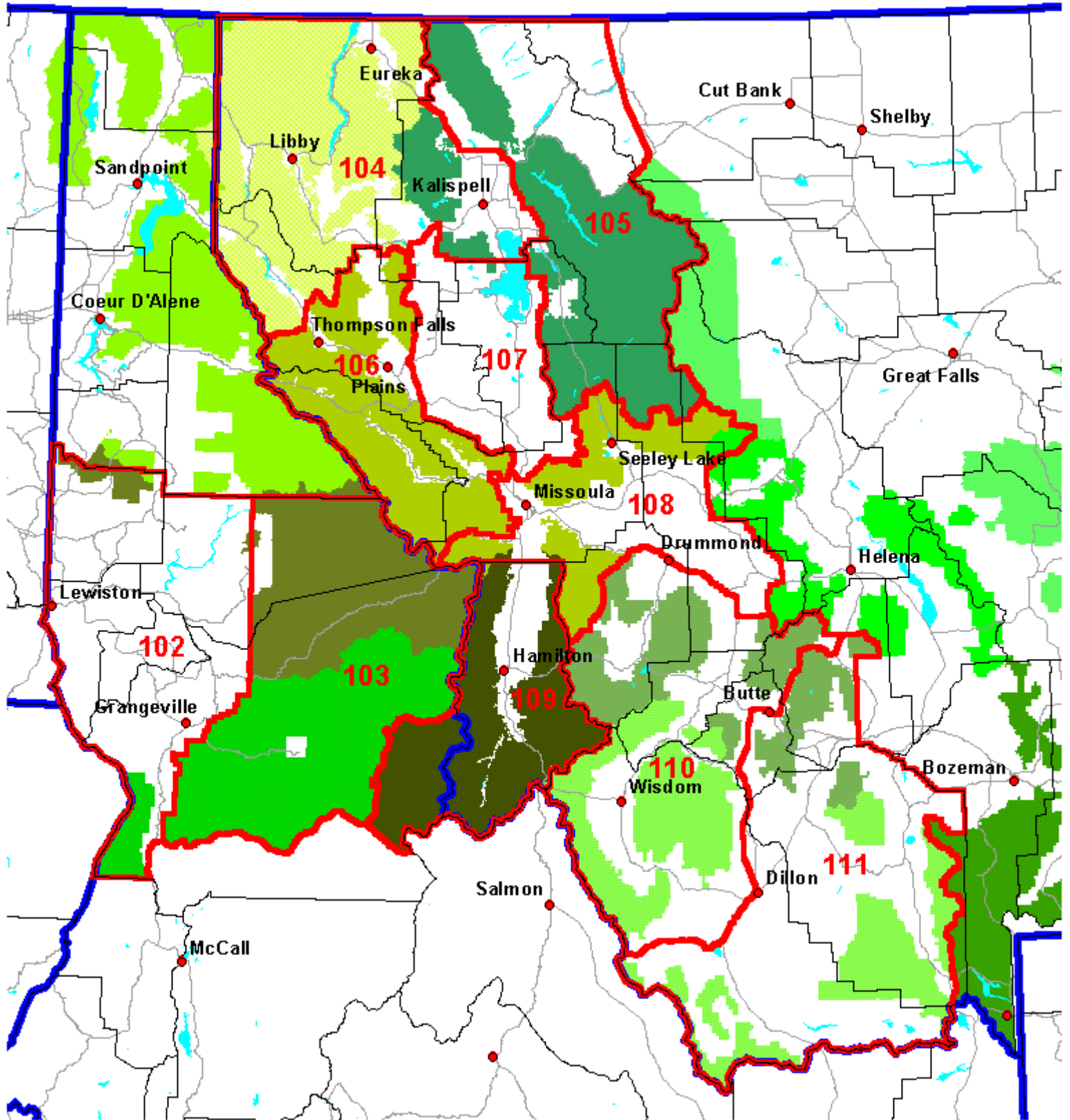
Note: Mixing Height/Mixing Winds are incorporated in the General Forecast during the spring and fall burning seasons. In November, the General Forecast is terminated and a Smoke Management Forecast is issued at 0900 each day until the 30th of the month.

## **Spot Forecasts**

Spot forecast are requested and disseminated using a "Web-based system via the Internet." This system is interactive, and may be accessed by the individual burners as well as the dispatchers. See sample request form. This form includes specific information that is required to process a request. As part of the request, users will be asked to specify their primary concerns on an individual project such as smoke dispersion, eye-level winds, afternoon relative humidities, etc. The forecasters can then focus on these concerns, and therefore provide a more useful decision making aide to the users in a more timely manner. All the above parameters will be included in the case of a wildfire spot request. For detailed instructions on working with this system, please contact NWS Missoula.

## **Fire Weather District**

The Missoula Fire Weather District includes zones 102 through 111 in North-Central Idaho and Western Montana. See map below.



## **Forecast Zone Descriptions**

### **ZONE 102:**

#### **PALOUSE/NEZ PERCE RESERVATION/HELL'S CANYON REGION**

The northern boundary follows the southern portion of the Coeur d' Alene Indian Reservation and the Latah/Clearwater county lines. The eastern boundary originates at the intersection of the Little North Fork of the Clearwater (near the Clearwater county line) and the Clearwater/Nez Perce Forest boundary and runs south along the forest boundary past Grangeville to the main Salmon River at Island Bar and continues south and west along the Idaho county border. The western boundary runs along the Snake River from the Coeur d' Alene Reservation to the Adams county line.

### **ZONE 103:**

#### **CLEARWATER/NEZ PERCE NATIONAL FOREST**

This zone encompasses the entire combined National forest as well as the Gospel Hump and portions of the Selway Bitterroot Wilderness. Also included is the Floodwood State Forest in the vicinity of the Little North Fork of the Clearwater at the northern border of Clearwater county.

### **ZONE 104:**

#### **KOOTENAI NATIONAL FOREST/TALLEY LAKE DISTRICT (FNF)**

The western and northern boundaries follow political lines along the Idaho-Montana and Canadian borders. The eastern boundary follows the Kootenai Forest boundary south to route 93 to the Flathead forest boundary, north of Whitefish, east of Columbia Falls and heading south along the forest boundary to the Lake county line. The southern boundary follows the Lake county line and Flathead forest boundary to the intersection of route 2 which continues south along forest boundaries to the state border. The state protected lands on the Fisher River district are also included within this zone.

### **ZONE 105:**

#### **FLATHEAD NATIONAL FOREST/GLACIER PARK/BOB MARSHALL AND MISSION MOUNTAIN WILDERNESS**

This zone starts at the intersection of the Kootenai/Flathead National Forest at the Canadian border running east and including Glacier Park. The eastern boundary follows the Park border and intersects with the Continental Divide and runs south to the Flathead National Forest boundary. The southern boundary borders the Bob Marshall and Mission Mountain Wilderness lines. The western boundary follows the the Mission Mountains and Swan range along the forest boundary to north of Whitefish and west to route 93 to the Kootenai/Flathead forest boundary. This zone includes the Stillwater State Forest.

**ZONE 106:****WESTERN LOLO NATIONAL FOREST**

This zone generally includes the Nine Mile, Superior, Plains/Thompson Falls and western portions of the Missoula district on the Lolo Forest. It is bounded by the Idaho-Montana border (Bitterroot Mountains) and extends northeast along the Kootenai/Lolo Forest boundary. Moving south from this point, follow the Salish & Kootenai Indian Reservation and Lolo Forest interface to west of Evaro following the forest boundary to Huson. Cross I-90 and continue south along the forest boundary until the intersection of route 12. Continue southwestward to the state border.

**ZONE 107:****SALISH & KOOTENAI INDIAN  
RESERVATION**

This zone is bounded by the Lolo National Forest on the west and south and the Flathead National Forest on the east and north.

**ZONE 108:****EASTERN LOLO NATIONAL FOREST  
/WELCOME CREEK AND SCAPEGOAT  
WILDERNESSES**

This zone includes all of the Lolo National Forest east of the Missoula and south of route 12 bounded by the Bitterroot forest. It also contains the Scapegoat and most of the Welcome Creek Wildernesses. The eastern boundary starts at the tri-section of the Bob Marshall Wilderness, Continental Divide and Scapegoat Wilderness and continues southeast to the Wilderness/Lincoln district boundary. This line continues south along the Helena National Forest boundary to the intersection with the Deerlodge/Beaverhead National Forest. The southern boundary runs west from this boundary to Deer Lodge then north along Interstate 90 to the intersection with the Philipsburg district line. State protection areas include Missoula, Clearwater, Garrison, and Anaconda.

**ZONE 109:****BITTERROOT NATIONAL FOREST**

This zones includes the entire Bitterroot Forest (in both Idaho and Montana) as well as the Frank Church and portions of the Selway-Bitterroot Wilderness. The Stevensville district represents the northern boundary for this zone which is approximately along the Ravalli county line.

**ZONE 110:****DEERLODGE/ WESTERN  
BEAVERHEAD NATIONAL FOREST**

The western boundary runs between Lemhi Pass northward along the Idaho-Montana border to the intersection of the Ravalli and Beaverhead county lines. This boundary continues along the forest boundary via Anaconda-Pintlar range and Sapphire Divide past Skalkaho Pass across Rock Creek and into the Welcome Creek Wilderness. This boundary cuts north across the John Long Mountains and intersect with Interstate 90. This zone includes the eastern-most section of this wilderness area (Lolo National forecast) which is managed by the Philipburg district. The northern border follows Interstate 90 to Deerlodge, cuts east and runs along the forest boundary across the divide and intersects Interstate 15. The eastern boundary runs southerly and follows Interstate 15 through Butte and Dillon then along route 41 to Clark Canyon Reservoir. The southern boundary extends due west along Horse Prairie Creek to Lemhi Pass.

**ZONE 111:****EASTERN BEAVERHEAD NATIONAL  
FOREST**

The southern boundary follows the Idaho-Montana border from Lemhi Pass along the Continental Divide (Centennial mountains included) to Reynolds Pass. The eastern zone line continues along the Beaverhead/Gallatin Forest boundary to north of Ennis where the Gallatin boundary intersects the Madison county line. Follow the Madison county line to east of Whitehall and along the Deerlodge/Helena Forest boundary until Interstate 15 is intersected. The west boundary is identical to the east boundary of the Deerlodge/Western Beaverhead National Forest zone.

**Operational Weather Stations**

<b>Zone</b>	<b>Station</b>	<b>WIMS #</b>	<b>County</b>	<b>Lat</b>	<b>Long</b>	<b>Elev</b>	<b>Site</b>	<b>Aspect</b>
102	Potlatch	100603	Latah	46:59	116:59	2500	Valley	Flat
102	Dent	100714	Clearwater	46:37	116:13	1652	Valley	N-E
102	Pierce	100711	Clearwater	46:30	115:50	3085	Valley	Flat
102	Slate Creek	101037	Idaho	45:38	116:17	1568	Valley	W
102	Shock	100606	Latah	46:59	116:38	3700	Slope	S
103	Kelly Creek	100708	Clearwater	46:40	115:10	2737	Valley	NE-S W
103	Powell	101031	Idaho	46:31	114:17	3409	Valley	W-E
103	Fenn	101013	Idaho	46:06	115:32	1638	Valley	NW-S E
103	Moose Creek	101028	Idaho	46:04	114:33	2460	Valley	NW-S E
103	Red River	101045	Idaho	45:43	115:20	4600	Slope	S
103	Roundtop	101049	Idaho	46:35	114:30	6500	Ridge	S

103	Chair Point LO	101043	Idaho	45:28	116:13	6951	Ridge	
104	Libby	240107	Lincoln	48:23	115:34	2070	Valley	Flat
104	Eureka	240110	Lincoln	48:54	115:01	2532	Valley	Flat
104	Troy	240112	Lincoln	48:28	115:55	1950	Valley	Flat
104	BC Baldy	240119	Lincoln	48:37	115:35	4300	Slope	SW
104	Trout Creek	241210	Sanders	47:52	115:38	2350	Valley	Flat
104	Fisher	240118	Lincoln	48:22	115:19	2180	Valley	N-S
105	Spotted Bear	240214	Flathead	47:55	113:31	3725	Valley	N-S-E
105	Hungry Horse	240217	Flathead	48:05	114:03	3225	Valley	S
105	Cyclone	240223	Flathead	48:43	114:20	5300	Ridge	
105	Condon WC	241502	Missoula	47:32	113:43	3684	Valley	S
105	Spotted Bear	240213	Flathead	47:54	113:26	7225	Ridge	
105	Firefighter LO	240219	Flathead	48:20	113:50	5676	Ridge	
105	West Glacier	240207	Flathead	48:31	113:59	3100	Valley	NE-S W
105	Polebridge	240210	Flathead	48:46	114:15	3551	Valley	NW-S E
105	Belly River	240301	Glacier	48:57	113:43	4600	Valley	N-S
105	Stillwater	240221	Flathead	48:13	114:34	3200	Valley	NW-S

106	Thompson F	241209	Sanders	47:35	115:17	2565	Valley	S
106	St. Regis	241302	Mineral	47:19	115:07	2650	Valley	S
106	Nine Mile	241507	Missoula	47:04	114:24	3300	Valley	SW
106	Pardee	241308	Mineral	47:16	114:54	4640	Slope	SW
106	White Mtn	241309	Mineral	46:47	114:39	6524	Ridge	S
106	Plains	241206	Sanders	47:28	114:53	2510	Valley	S
107	Hot Springs	241211	Sanders	47:37	114:40	2880	Valley	N-S
107	Jette	241404	Lake	47:46	114:14	3600	Valley	Flat
108	Seeley Lake	241508	Missoula	47:11	113:27	4235	Valley	Flat
108	Missoula	241513	Missoula	47:10	114:00	3200	Valley	Flat
108	Stinkwater	241518	Missoula	46:51	113:24	5760	Ridge	
108	Point Six	241519	Missoula	47:02	113:59	7396	Ridge	
108	Seth	243111	Powell	46:45	112:49	6210	Slope	N
108	Clearwater Heli	241517	Missoula	47:01	113:20	3900	Slope	S
108	Union Peak LO	241509	Missoula	46:49	113:24	6810	Ridge	
108	Saddle Mtn LO	243104	Powell	46:42	113:02	6814	Ridge	
108	Garrison	243108	Powell	46:34	112:49	4520	Slope	E



109	Gird Point	242911	Ravalli	46:12	113:55	6950	Ridge	W
109	West Fork	242907	Ravalli	45:49	114:15	4390	Ridge	SW
109	Stevensville	242904	Ravalli	46:31	114:05	3370	Valley	N-S
109	Darby	242901	Ravalli	46:01	114:11	3887	Valley	N-S
109	Sula	242905	Ravalli	45:50	113:58	4570	Ridge	
109	Deer Mtn LO	242902	Ravalli	46:02	114:03	7282	Ridge	
110	Phillipsburg	243002	Granite	46:19	113:18	5280	Valley	Flat
110	Wise River	245405	Beaverhead	45:47	112:56	5704	Valley	W-E-S
110	Anaconda	244402	Deer Lodge	46:09	113:09	6000	Valley	N-SW
111	Brenner	245409	Beaverhead	44:58	113:13	6610	Valley	Flat
111	Red Rock	245410	Beaverhead	44:41	111:50	6680	Valley	W-E
111	Antelope	245412	Beaverhead	44:41	112:32	6070	Valley	W-E
111	Ennis	245501	Madison	45:12	111:26	4939	Valley	N-S
111	Whitehall	243204	Jefferson	45:53	112:09	4360	Valley	Flat
111	Galena	243206	Jefferson	46:13	112:13	6600	Ridge	
111	Argenta	Portable	Beaverhead	45:15	112:38	5300	Slope	W